

CLAIMS

What is claimed is:

1. In a telecommunications network associated with a number of first cells in a location area, wherein each first cell is associated with a first communication system, wherein a given first cell has a neighboring second cell associated with a second communication system, and wherein both multimode and single mode mobile stations are disposed to enter and move through said location area into proximate relationship with said given first cell, a method for downloading information to a selected multimode mobile station comprising the steps of:

providing notice of said neighboring second cell to said selected mobile station when said selected mobile station enters said location area, and withholding said notice from any single mode mobile station entering said location area; and

operating said selected mobile station in response to said notice to acquire specified information pertaining to said second cell.

2. The method of Claim 1 wherein:

said selected mobile station commences measurements directed to said second cell in response to said notice.

3. The method of Claim 1 wherein:

said step of providing notice comprises transmitting a flag to said selected mobile station.

2 4. The method of Claim 3 wherein:

3 said flag comprises a single bit transmitted to said selected mobile station by means of a
4 BCCH carrier.

2 5. The method of Claim 1 wherein:

3 said step of providing notice comprises downloading a list of first cells which
4 respectively have second cell neighbors to said selected mobile station.

2 6. The method of Claim 5 wherein:

3 said list is downloaded to said selected mobile station in connection with a Location
4 Area Updating procedure commenced when said selected mobile station enters said location
5 area.

2 7. The method of Claim 1 wherein said step of providing notice comprises:

3 supplying a list of first cells in said location area to said selected mobile station; and
4 downloading a pointer to said selected mobile station to identify first cells on said list
5 which respectively have neighboring second cells.

2 8. The method of Claim 7 wherein:

3 said pointer is transmitted to said selected mobile station by means of a BCCH carrier.

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2 9. The method of Claim 1 wherein said step of providing notice comprises:
3 transmitting a flag to said selected mobile station to direct said selected mobile station to
4 generate a download request message; and
5 downloading information pertaining to said second cell in response to said download
6 request message.

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8 10. The method of Claim 1 wherein:
9 at least some of said specified information comprises intersystem cell reselection
10 parameters which are downloaded to said selected mobile station by means of a MM specific
11 procedure.

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13 11. The method of Claim 1 wherein:
14 said first communication system comprises the GSM, and said second communication
15 system comprises the UTMS.

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2 12. The method of Claim 11 wherein:
3 at least some of said specified information comprises information needed by said selected
4 mobile station to prepare for handover and cell reselection from said GSM system to said UTMS
5 system.

13. The method of Claim 1 wherein:

said network downloads a list of second cells in said location area to said mobile station during a location updating procedure.

14. The method of Claim 1 wherein:

at least some of said specified information comprises frequency and scrambling code combinations for each second cell within said location area, each of said frequency and scrambling code combinations being downloaded to said mobile station by means of a MM specific procedure.